

Fig. 4 is a characteristic chart of emission efficiency of the organic electroluminescent material.

[Fig. 5]

Fig. 5 is a circuit diagram of a second embodiment of the present invention.

[Fig. 6]

Fig. 6 is a circuit diagram of a third embodiment of the present invention.

[Fig. 7]

Fig. 7 is a circuit diagram of the structure of each dot in the third embodiment.

[Fig. 8]

Fig. 8 is a circuit diagram of a modification of the third embodiment.

[Fig. 9]

Fig. 9 is a chart showing a relationship between voltage and brightness with respect to an external power supply in the configuration shown in Fig. 8.

[Fig. 10]

Fig. 10 is a perspective view of an outer appearance structure of an electronic book as an example of an electronic element according to an embodiment of the present invention.

[Fig. 11]

Fig. 11 is a perspective view of an outer appearance structure of a computer as an example of the electronic apparatus.

[Fig. 12]

Fig. 12 is a perspective view of an outer appearance structure of a cellular phone as an example of the electronic apparatus.

[Fig. 13]

Fig. 13 is a perspective view of an outer appearance structure of a digital still camera as an example of the electronic apparatus.

[Fig. 14]

Fig. 14 is a chart used for illustrating that outputs of a data line driving circuit and outputs of an auxiliary data line driving circuit overlap each other.

[Fig. 15]

Fig. 15 is a circuit diagram of the structure in which the data line driving circuit according to the first embodiment includes latch circuits.

[Fig. 16]

Fig. 16 is a circuit diagram of a conventional structure.

[Reference Numerals]

- 10: organic electroluminescent display device
- 20: display screen
- 30: scan line driving circuit (row driving circuit)
- 32: buffer
- 33: decoder
- 40: data line driving circuit
- 41: shift register
- 42: switching element
- 50: auxiliary data line driving circuit
- 51: decoder
- 52: switching element
- 60: auxiliary scan line driving circuit (auxiliary row driving circuit)
- 61: decoder
- 62: buffer
- 91: electronic book
- 100: personal computer
- 200: cellular phone

300: digital still camera

X1 to X12: data lines

Y1 to Y7: scan lines (row lines)

09064366-09201